

Title (en)

POWER SUPPLY CONTROL FOR INTEGRATED CIRCUIT.

Title (de)

STROMVERSORGUNGSSTEUEREINHEIT FÜR INTEGRIERTE SCHALTUNG.

Title (fr)

COMMANDE DE L'ALIMENTATION ELECTRIQUE POUR UN CIRCUIT INTEGRE.

Publication

EP 0079885 A4 19840301 (EN)

Application

EP 81901842 A 19810527

Priority

US 8100705 W 19810527

Abstract (en)

[origin: WO8204345A1] A power supply control circuit (20) selectively provides power to an integrated circuit from either a primary power supply terminal (22), or through terminals (24, 26) connected to backup batteries. The voltage level of the primary power is monitored continuously and when it drops to a predetermined level one of the two backup batteries is substituted to power the integrated circuit in a power-down mode. The circuit (20) includes a level detector circuit (32) and a voltage reference circuit (98). In the power-down mode one battery is connected to power the integrated circuit and this battery is continuously monitored. When the voltage of the on-line battery drops to below a fixed level in comparison to off-line battery a control logic circuit (92) activates switches (56) to substitute the off-line battery for the on-line battery. Control logic circuitry (92) is provided to disconnect the control signals from the integrated circuit to prevent loss of stored information. Further the failure of one of the backup batteries is indicated by disabling a write enable signal.

IPC 1-7

G11C 11/40

IPC 8 full level

G06F 1/28 (2006.01); **G11C 5/00** (2006.01); **G11C 5/14** (2006.01)

CPC (source: EP US)

G06F 1/28 (2013.01 - EP US); **G11C 5/00** (2013.01 - EP US); **G11C 5/141** (2013.01 - EP US); **Y10S 331/03** (2013.01 - EP US)

Citation (search report)

- [A] US 3483393 A 19691209 - GUTZMER ALFRED N, et al
- [A] FR 2347809 A1 19771104 - ACCUMULATEURS FIXES [FR]
- [A] ELECTRONIC DESIGN, vol. 26, no. 10, May 1978, page 130, Rochelle Park, US

Designated contracting state (EPC)

DE FR GB NL

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DOCDB simple family (application)

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